



**Main Applications**

- ◆ Belt Weigher with Weight Totalizing.
- ◆ Ration Belt Weighfeeder with Ration Flow Feeding.
- ◆ Loss-in-weight Weighfeeder with Ration Flow Feeding.

**Main Features**

- ◆ EMC design with high anti-jam for industrial environment.
- ◆ 32-bit ARM CPU with 72MHz clock & high arithmetic speed.
- ◆ 128×64 LCD display screen with 7 background colors.
- ◆ 24-bit  $\Sigma-\Delta$  ADC with internal resolution 1/1,000,000.
- ◆ High sampling frequency 400Hz.
- ◆ Special Anti-vibration Digital Filtering Algorithm for precise weighing, stable display and rapid response.
- ◆ Zero Calibration & Auto Zero Tracking.
- ◆ Span Calibration & Segmenting Correction.
- ◆ Speed Calibration & Belt Length Calibration.
- ◆ The feeder and belt weigher can be controlled by DI&DO.
- ◆ Quick and steady PID ration feeding control.
- ◆ Queryable Records per shift/day/month of a year.
- ◆ Definable DI/DOAO/COM[Communication Port].

**Technical Specifications**

- ◆ Power Supply: AC220V±15%, 50/60Hz, Max. 15W.
- ◆ Loadcell Excitation Voltage/Current: DC10V/250mA.
- ◆ 8 Loadcells[350Ω] connectable.
- ◆ Weighing Signal Input Range: 0~25mV.
- ◆ Speed Sensor Excitation Voltage/Current: DC12V/100mA.
- ◆ Speed Signal Input Range: 0.5~3000Hz.
- ◆ 3 Normally Open Switch Inputs [DI].
- ◆ 4 Normally Open Relay Outputs [DO]: AC250V/DC24V, 1A.
- ◆ 1 'Totalized Weight' Pulse Output [PO]: DC5~24V, 100mA.
- ◆ 2 'PID Control' Analog Output [AO]: 4~20mA, 0.05%FS.
- ◆ 1 'Flow Set' Analog Input [AI]: 4~20mA, 0.05%FS.
- ◆ COM1: Optional RS232/RS485/RS422/Profibus-DP/Ethernet.
- ◆ COM2: RS232.
- ◆ Connect Host IPC, Remote Display, Printer&Wireless Module.
- ◆ Outline Size [W×H×D]: 164 × 86 × 193 mm.
- ◆ Panel Cut-out Size [W×H]: 153 × 77 mm.
- ◆ Operating Temperature: -25°C~+45°C.
- ◆ Protection Level of Front Panel: IP65.
- ◆ Accuracy Grade: 0.5.
- ◆ Accuracy of Flow Control: 0.5%~1.0%.

High-frequency Sampling    Anti-vibration Filter    High-accuracy Weighing    Precise Flow Control



BST100-E01 [86×164×193mm]



BST100-E21 [Dust-proof/IP65/202×305×90mm]